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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/768,629 - Conf. #6763
				Filing Date	January 29, 2004
				First Named Inventor	Karla Weaver Quigley et al.
				Art Unit	3767
				Examiner Name	Emily Louise SCHMIDT
Sheet	1	of	5	Attorney Docket Number	3008069-7061982001

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code ² (<i>if known</i>)				
	A38*	US-D357,735	04-25-1995	McPhee		
	A39*	US-2,720,881	10-18-1955	Weaver et al.		
	A40*	US-3,113,586	12-10-1963	Edmark, Jr.		
	A41*	US-3,159,175	12-01-1964	MacMillan		
	A42*	US-3,621,557	11-23-1971	Cushman et al.		
	A43*	US-,3673,612	07-04-1972	Merrill et al.		
	A44*	US-4,072,146	02-07-1978	Howes		
	A45*	US-4,142,525	03-06-1979	Binard et al.		
	A46*	US-4,405,316	09-20-1983	Mittleman		
	A47*	US-4,434,810	03-06-1984	Atkinson		
	A48*	US-4,468,224	11-12-1985	Enzmann et al.		
	A49*	US-4,543,087	09-09-1986	Sommercorn et al.		
	A50*	US-4,616,768	10-14-1986	Flier		
	A51*	US-4,673,393	06-16-1987	Suzuki et al.		
	A52*	US-4,681,572	07-21-1987	Tokarz et al.		
	A53*	US-4,552,553	11-12-1985	Schulte et al.		
	A54*	US-4,790,832	12-13-1988	Lopez		
	A55*	US-4,798,594	01-17-1989	Hillstead		
	A56*	US-4,801,297	01-31-1989	Mueller		
	A57*	US-4,944,726	07-31-1990	Hilal et al.		
	A58*	US-4,946,448	08-07-1990	Richmond		
	A59*	US-5,030,210	07-09-1991	Alchas et al.		
	A60*	US-5,098,405	03-24-1992	Peterson et al.		
	A61*	US-5,125,893	06-30-1992	Dryden		
	A62*	US-5,147,332	09-15-1992	Moorehead		
	A63*	US-5,149,327	09-22-1992	Oshiyama		
	A64*	US-5,169,393	12-08-1992	Moorehead et al.		
	A65*	US-5,176,652	01-05-1993	Littrell		

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B15	DE-20208420	10-31-2002	Diez Claudius		
	B16	EP-0930082	07-21-1999	Bard Inc. C.R..		
	B17	EP-1016431	07-05-2000	Michigan Transtech Corp.		
	B18	FR-2718969	10-27-1995	Balt Extrusion		

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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A66*	US-5,201,722	04-13-1993	Moorehead et al.	
	A67*	US-5,254,086	10-19-1993	Moorehead et al.	
	A68*	US-5,330,424	07-19-1994	Palmer et al.	
	A69*	US-5,336,203	08-09-1994	Goldhardt et al.	
	A70*	US-5,360,407	11-01-1994	Leonard et al.	
	A71*	US-5,370,624	12-16-1994	Edwards et al.	
	A72*	US-5,399,168	03-21-1995	Wadsworth et al.	
	A73*	US-5,401,255	03-28-1995	Sutherland et al.	
	A74*	US-5,405,340	04-11-1995	Fageol et al.	
	A75*	US-5,411,491	05-02-1995	Goldhardt et al.	
	A76*	US-5,454,784	10-03-1995	Atkinson et al.	
	A77*	US-5,469,805	11-28-1995	Gibbs et al.	
	A78*	US-5,470,305	11-28-1995	Arnett et al.	
	A79*	US-5,484,420	01-16-1996	Russo	
	A80*	US-5,542,923	08-06-1996	Ensminger et al.	
	A81*	US-5,554,136	09-10-1996	Luther	
	A82*	US-5,562,618	10-08-1996	Cai et al.	
	A83	US-5,571,093	11-05-1996	Cruz et al.	
	A84*	US-5,575,769	01-19-1996	Vaillancourt et al.	
	A85*	US-5,619,393	12-08-1992	Moorehead et al.	
	A86*	US-5,624,395	04-29-1997	Mikhail et al.	
	A87*	US-5,637,099	06-10-1997	Durdin et al.	
	A88*	US-5,667,500	09-19-1997	Palmer et al.	
	A89*	US-5,743,873	04-28-1998	Cai et al.	
	A90*	US-5,743,884	04-28-1998	Hasson et al.	
	A91*	US-5,743,894	04-28-1998	Swisher	
	A92*	US-5,752,938	05-19-1998	Flatland et al.	
	A93*	US-5,803,078	09-08-1998	Brauner	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
	B19	WO-89/002764	04-06-1989	Heimhilcher Guenter	
	B20	WO-96/017190	06-06-1996	Ideal Standard	
	B21	WO-96/023158	08-01-1996	Vernay Laboratories	
	B22	WO-96/041649	12-27-1996	Migada Inc.	

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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A94*	US-5,807,349	09-15-1998	Person et al.	
	A95*	US-5,843,044	12-01-1998	Moorehead	
	A96*	US-5,853,397	12-29-1998	Shemesh et al.	
	A97*	US-5,865,308	02-02-1999	Qin et al.	
	A98*	US-6,033,393	03-07-2000	Balbierz et al.	
	A99*	US-6,045,734	04-04-2000	Luther et al.	
	A100*	US-6,050,934	04-18-2000	Mikhail et al.	
	A101*	US-6,062,244	05-16-2000	Arkans	
	A102*	US-6,092,551	07-25-2000	Bennett	
	A103*	US-6,120,483	09-19-2000	Davey et al.	
	A104*	US-6,227,200	05-08-2001	Crump et al.	
	A105*	US-6,270,489	08-07-2001	Wise et al.	
	A106*	US-6,364,861	04-02-2002	Feith et al.	
	A107*	US-6,364,867	04-02-2002	Wise et al.	
	A108*	US-6,375,637	04-23-2002	Campbell et al.	
	A109*	US-6,436,077	08-20-2002	Davey et al.	
	A110*	US-6,442,415	08-27-2002	Bis et al.	
	A111*	US-6,446,671	09-10-2002	Armenia et al.	
	A112*	US-6,508,791	01-21-2003	Guerrero	
	A113*	US-6,551,270	04-22-2003	Bimbo et al.	
	A114*	US-6,786,884	09-27-2004	DeCant et al.	
	A115*	US-6,953,450	10-11-2005	Baldwin et al.	
	A116*	US-6,874,999	04-05-2005	Dai et al.	
	A117*	US-6,994,314	02-07-2006	Garnier et al.	
	A118*	US-7,252,652	08-07-2007	Moorehead et al.	
	A119*	US-7,291,133	11-06-2007	Kindler et al.	
	A120*	US-7,316,655	01-08-2008	Garibotto et al.	
	A121*	US-7,435,236	10-14-2008	Weaver et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
	B23	WO-98/022178	05-28-1998	Nypro Inc.	
	B24	WO-00/006230	02-10-2000	McLaughlin, David L.	
	B25	WO-01/074434	10-11-2001	Bard Inc. CR	

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	A122*	US-7,601,141	10-13-2009	Dikeman et al.	
	A123*	US-7,637,893	12-29-2009	Christensen et al.	
	A124*	US-7,758,541	07-20-2010	Wallace et al.	
	A125*	US-20010023333	09-20-2001	Wisse et al.	
	A126*	US-20010037079	11-01-2001	Burbank et al.	
	A127*	US-20020016584	02-07-2002	Wise et al.	
	A128*	US-20020165492	11-07-2002	Davey et al.	
	A129*	US-20020193752	12-19-2002	Lynn	
	A130*	US-20030122095	07-03-2003	Wilson et al.	
	A131*	US-20040034324	02-19-2004	Seese et al.	
	A132*	US-20040064128	04-01-2004	Rajiman et al.	
	A133*	US-20040193119	09-30-2004	Canaud et al.	
	A134*	US-20040267185	12-30-2004	Weaver et al.	
	A135*	US-20050043703	02-24-2005	Nordgren	
	A136*	US-20050149116	07-07-2005	Edwards et al.	
	A137*	US-20050171490	08-04-2005	Weaver et al.	
	A138*	US-20050171510	08-04-2005	DiCarlo et al.	
	A139*	US-20050283122	12-22-2005	Nordgren	
	A140*	US-20060129092	06-15-2006	Hanlon et al.	
	A141*	US-20060135949	06-22-2006	Rome et al.	
	A142*	US-20060149211	07-06-2006	Simpson et al.	
	A143*	US-20070161970	07-12-2007	Moorehead et al.	
	A144*	US-20070276313	11-29-2007	Moorehead et al.	
	A145*	US-20080108956	05-08-2008	Lynn et al.	
	A146*	US-20090292252	11-26-2009	Lareau et al.	

FOREIGN PATENT DOCUMENTS					
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	Asch, "Venous access: options, approaches and issues," Can Assoc. Radiol J., Vol. 52, No. 3 pp.153-164 (2001).	
	C2	Herts et al., "Power injection of contrast media using central venous catheters: feasibility, safety, and efficacy," AJR Am. J. Roentgenol., Vol. 176, No. 2, pp. 447-453 (2001).	
	C3	Roth et al., "Influence of radiographic contrast media viscosity to flow through coronary angiographic catheters," Cathet. Cardiovasc. Diagn., Vol. 22, No. 4, pp. 290-294 (1991).	
	C4	Carlson et al., "Safety considerations in the power injection of contrast media via central venous catheters during computerized tomographic examinations," Invest. Radiol., Vol 27, No. 5, p. 337-340 (1992).	
	C5	Kaste et al., "Safe use of power injectors with central and peripheral venous access devices for pediatric CT," Pediatr. Radiol., Vol. 26, No. 8, pp. 449-501 (1996).	
	C6	Herts et al., "Power injection of intravenous contrast material through central venous catheters for CT: in vitro evaluation," Radiology, Vol. 200, No. 3, pp. 731-735 (1996).	
	C7	Rivitz et al., "Power injection of peripherally inserted central catheters," J. Vasc. Interv. Radiol., Vol. 8, No. 5, pp. 857-863 (1997).	
	C8	Rogalla et al., "Safe and easy power injection of contrast material through a central line," Eur. Radiol., Vol. 8, No. 1, pp. 148-149 (1998).	
	C9	Williamson et al., "Assessing the adequacy of peripherally inserted central catheters for power injection of intravenous contrast agents for CT," J. Comput. Assist. Tomogr., Vol. 25, No. 6, pp. 932-937 (2001).	
	C10	Chahous et al., "Randomized comparison of coronary angiography using 4F catheters: 4F manual versus 'Acisted' power injection technique," Catheter Cardiovasc. Interv., Vol. 53, No. 2, pp. 221-224 (2001).	
	C11	Walsh et al., "Effect of contrast agent viscosity and injection flow velocity on bolus injection pressures for peripheral venous injection in first-pass myocardial perfusion studies," Technol. Health Care, Vol. 10, No. 1, pp. 57-63 (2002).	
	C12	Saito et al., "Diagnostic brachial coronary arteriography using a power-assisted injector and 4 French catheters with new shamps," J. Invasive Cardiol., Vol. 9, No. 7, pp. 461-468 (1997).	

Examiner Signature	/Emily Schmidt/	Date Considered	10/11/2011
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.